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321

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Contents

No. 1 JANUARY 1983

JAMES H. SMITH, MAKAM N. SUBBARAO, AND GEORGE L. ELICEIRI. Small Nuclear RNAs and Translation	1
J.P. LONGENECKER, L.A. KILTY, J.A. RIDGE, D.C. MILLER, AND L.K. JOHNSON. Proliferative Variability of Endothelial Clones Derived From Adult Bovine Aorta: Influence of Fibroblast Growth Factor and Smooth Muscle Cell Extracellular Matrix.	7
NAOYUKI KAMATANI, ERIK H. WILLIS, GERARD J. MCGARRITY, AND DENNIS A. CARSON. Putrescine Dependent Growth of Mycoplasma Infected Mammalian Cells	16
JUDITH CAMPISI, JULIANNE HAFNER, ROBERT BOORSTEIN, AND ARTHUR B. PARDEE. Hereditary Orotic Aciduria, Lesch-Nyhan Syndrome, and Xeroderma Pigmentosum Probed by Herpes Simplex Virus: ¹²⁵ I-Iododeoxycytidine Incorporation as an Assay for Viral Growth	21
JOYCE WOLF, JONATHAN J. GOLDEN, AND LAWRENCE A. CHASIN. Rat Serum Albumin Synthesis in Variant Rat Hepatoma Cells	29
WALID KURI-HARCUCH AND MEYTHA MARSCH-MORENO. DNA Synthesis and Cell Division Related to Adipose Differentiation of 3T3 Cells	39
M.S. KILBERG, T.A. VIDA, AND E.F. BARBER. Regulation of Neutral Amino Acid Transport in Hepatocytes Isolated From Adrenalectomized Rats	45
JUDITH CAMPISI AND ESTELA E. MEDRANO. Cell Cycle Perturbations in Normal and Transformed Fibroblasts Caused by Detachment From the Substratum.	53
DAVID R. CLEMMONS. Age Dependent Production of a Competence Factor by Human Fibroblasts.	61
JEFFREY D. LASKIN, LINDA PICCININI, DEAN L. ENGELHARDT, AND I. BERNARD WEINSTEIN. Specific Protein Production During Melanogenesis in B16/C3 Melanoma Cells.	68
MICHAEL A. LIEBERMAN. Mitogenic Proteins of the 3T3 Plasma Membrane	73
DAFNA BAR-SAGI AND JOAV PRIVES. Tunicamycin Inhibits the Expression of Surface Na ⁺ Channels in Cultured Muscle Cells.	77
EDDIE PAHUSKI, MARK KLEKAMP, TOM CONDON, AND A.E. HAMPEL. Altered Aminoacyl-tRNA Synthetase Complexes in CHO Cell Mutants	82
RICHARD K. SHADDUCK, ABDUL WAHEED, JOEL S. GREENBERGER, AND T. MICHAEL DEXTER. Production of Colony Stimulating Factor in Long-Term Bone Marrow Cultures	88
E.J. KASAMBALIDES AND K.W. LANKS. Dexamethasone Can Modulate Glucose-Regulated and Heat Shock Protein Synthesis	93
JEANNE BENTLEY LAWRENCE AND JOHN R. COLEMAN. Analysis of Myogenesis by Somatic Cell Hybridization. II. Retention of Myogenic Competence and Suppression of Transformed Properties in Hybrids Between Differentiation Competent and Incompetent Rat L6 Myoblasts	99
CLINTON D. LOTHROP, JR. AND MAYO UZIEL. RNA Turnover in Cultured Hamster Embryo Cells: Identification of Modified Nucleoside End Products.	111
MARIANNA MARCINIAK, WANDA BARAŃSKA, AND MONIKA RÓŻYCKA. Influence of Physical Exercise After Long-Lasting Hypodynamia on the Morphological Parameters of Muscle Fibers	117
DONALD L. COPPOCK AND DANIEL S. STRAUS. Complementation for the Growth Response to Insulin and MSA Occurs at a Step Distal to Hormone-Receptor Interaction in Mouse Embryo Fibroblast × Melanoma Cell Hybrids	123
DONALD F. GERSON AND HANSRUEDI KIEFER. Intracellular pH and the Cell Cycle of Mitogen-Stimulated Murine Lymphocytes.	132
RADHEY S. GUPTA. Taxol Resistant Mutants of Chinese Hamster Ovary Cells: Genetic, Biochemical, and Cross-Resistance Studies	137

No. 2 FEBRUARY 1983

AVRI BEN-ZE'EV. Virus Replication in Infected Epithelial Cells Is Coupled to Cell Shape-Responsive Metabolic Controls	145
MARY TAUB, MILTON H. SAIER, JR., LORRAINE CHUMAN, AND SUE HILLER. Loss of the PGE ₁ Requirement for MDCK Cell Growth Associated With a Defect in Cyclic AMP Phosphodiesterase	153
MICHAEL J. MORIN, CARL W. PORTER, PATRICIA MCKERNAN, AND RALPH J. BERNACKI. The Biochemical and Ultrastructural Effects of Tunicamycin and <i>D</i> -Glucosamine in L1210 Leukemic Cells	162
M. COPLEY, T. GINDHART, AND N. COLBURN. Hexose Uptake as an Indicator of JB6 Mouse Epidermal Cell Resistance to the Mitogenic Activity of TPA	173
AMIRAM ELDOR, ISRAEL VLODAVSKY, ESTHER HY-AM, RUTH ATZMON, BABETTE B. WEKSLER, AMIRAM RAZ, AND ZVI FUKS. Cultured Endothelial Cells Increase Their Capacity to Synthesize Prostacyclin Following the Formation of a Contact Inhibited Cell Monolayer	179
KURT AMSLER, CAROLYN SHAFFER, AND JOHN S. COOK. Growth-Dependent AIB and meAIB Uptake in LLC-PK ₁ Cells: Effects of Differentiation Inducers and of TPA	184
D. GOSPODAROWICZ, R. GONZALEZ, AND D.K. FUJII. Are Factors Originating From Serum, Plasma, or Cultured Cells Involved in the Growth-Promoting Effect of the Extracellular Matrix Produced by Cultured Bovine Corneal Endothelial Cells?	191
ROBERT D. MEYER, SHERYL L. PRESTON, AND F. ARTHUR MCMORRIS. Glycerol-3-Phosphate Dehydrogenase Is Induced by Glucocorticoids in Hepatocytes and Hepatoma Cells In Vitro	203
M.T. AYE AND J.V. DUNNE. Opposing Effects of 12-O-Tetradecanoylphorbol 13-Acetate on Human Myeloid and Lymphoid Cell Proliferation	209
GARY L. BRADSHAW, GORDON H. SATO, DON B. MCCLURE, AND GEORGE R. DUBES. The Growth Requirements of BHK-21 Cells in Serum-Free Culture	215
THOMAS A. HAMILTON. Receptor-Mediated Endocytosis and Exocytosis of Transferrin in Concanavalin A-Stimulated Rat Lymphoblasts	222
IVAN SELAK, STEPHEN D. SKAPER, AND SILVIO VARON. Ionic Behaviors and Neuronal Survival in Developing Ganglia. III. Studies With Embryonic Chick Sympathetic Neurons	229
KENNETH G. MANDEL, MARY K. LIVELY, DONALD LOMBARDI, AND HAROLD AMOS. Reactivation of NAD(H) Biosynthetic Pathway by Exogenous NAD ⁺ in Nil Cells Severely Depleted of NAD(H)	235
S. KUTNER, H. GINSBURG, AND Z.I. CABANTCHIK. Permselectivity Changes in Malaria (<i>Plasmodium falciparum</i>) Infected Human Red Blood Cell Membranes	245
STEPHEN E. STEINBERG, SUSAN FONDA, CARYL L. CAMPBELL, AND ROBERT S. HILLMAN. Folate Utilization in Friend Erythroleukemia Cells	252

No. 3 MARCH 1983

DOROTHY W. KENNEDY, DAVID H. ROHRBACH, GEORGE R. MARTIN, TAKASHI MOMOI, AND KENNETH M. YAMADA. The Adhesive Glycoprotein Laminin Is an Agglutinin	257
MARTIN J. SANDERS, LAWRENCE M. SIMON, AND DAYTON S. MISFELDT. Transepithelial Transport in Cell Culture: Bioenergetics of Na ⁺ , D-Glucose-Coupled Transport	263
D.K. FUJII, J. CHENG, AND D. GOSPODAROWICZ. Phosphatidyl Choline and the Growth in Serum-Free Medium of Vascular Endothelial and Smooth Muscle Cells, and Corneal Endothelial Cells	267
ELIEZER RAPAPORT. Treatment of Human Tumor Cells With ADP or ATP Yields Arrest of Growth in the S Phase of the Cell Cycle	279
JEFFREY BINGHAM SMITH AND TOMMY A. BROCK. Analysis of Angiotensin-Stimulated Sodium Transport in Cultured Smooth Muscle Cells From Rat Aorta	284

KAZUNORI OHKI AND ARIAKI NAGAYAMA. Cell Hybrids Between SV40-Transformed Macrophage Cell Lines and a Chinese Hamster Cell Line: Growth Responsiveness and Induction of Colony-Stimulating Factor	291
SANDRA A. HARRIS-HOOKER, CORINNE M. GAJDUSEK, THOMAS N. WIGHT, AND STEPHEN M. SCHWARTZ. Neovascular Responses Induced by Cultured Aortic Endothelial Cells	302
PAUL D. PHILLIPS, ELLEN KUHNLE, AND VINCENT J. CRISTOFALO. [¹²⁵ I]EGF Binding Ability Is Stable Throughout the Replicative Life-Span of WI-38 Cells	311
EDITH BUTLER-GRALLA AND HARVEY R. HERSCHMAN. Glucose Uptake and Ornithine Decarboxylase Activity in Tetradecanoyl Phorbol Acetate Non-Proliferative Variants	317
C.E. CHANDLER AND H.R. HERSCHMAN. Binding, Sequestration, and Processing of Epidermal Growth Factor and Nerve Growth Factor by PC12 Cells	321
JUDITH B. GRINSPAN, STEPHEN N. MUELLER, AND ELLIOT M. LEVINE. Bovine Endothelial Cells Transformed In Vitro by Benzo(a) pyrene	328
PAUL E. DICORLETO, CORINNE M. GAJDUSEK, STEPHEN M. SCHWARTZ, AND RUSSELL ROSS. Biochemical Properties of the Endothelium-Derived Growth Factor: Comparison to Other Growth Factors	339
SIBYL F. STREET. Lateral Transmission of Tension in Frog Myofibers: A Myofibrillar Network and Transverse Cytoskeletal Connections Are Possible Transmitters	346
PAUL B. FISHER, MICHAEL R. BOERSIG, GARY M. GRAHAM, AND I. BERNARD WEINSTEIN. Production of Growth Factors by Type 5 Adenovirus Transformed Rat Embryo Cells	365
Index to Volume 114	371

Advances in the Pathophysiology, Diagnosis, and Treatment of Sickle Cell Disease

Roland B. Scott, Editor

Increased biomedical investigations which have occurred during the last decade have resulted in a number of advances utilized in the management of sickle cell disease. Despite the lack of a cure, the survival and quality of life for patients with the disease is being extended and enhanced through programs of early diagnosis, early detection, and prompt treatment of infections and complications. **Advances in the Pathophysiology, Diagnosis, and Treatment of Sickle Cell Disease** presents the current research concerning the applications of new knowledge to the treatment and management of the common sickle cell syndromes, namely, homozygous sickle cell disease, sickle cell-hemoglobin C disease, and sickle cell-beta thalassemia.

The development of an effective treatment for sickle cell disease is the number one priority of researchers and the best chance for accomplishing this lies in developing a complete understanding of the pathogenic sequence of the disease. **Advances in the Pathophysiology, Diagnosis, and Treatment of Sickle Cell Disease** is an in depth look at the latest research, as well as the various methods currently utilized in the treatment of sickle cell disease. Topics of interest include comparative pathophysiology in sickle cell disease and the thalassemias, amniocentesis and fetoscopy, pneumococcal vaccine: update and evaluation, the membrane lesion and its treatment in sickle cell anemia, autotransfusion: a management option for alloimmunized sickle cell patients, and approaches to the evaluation of the genetic counselor.

CONTENTS

Comparative Pathophysiology in Sickle Cell Disease and the Thalassemias,

Donald L. Rucknagel

Prenatal Diagnosis, **Corinne D. Boehm, John A. Phillips III, Stylianos Antonarakis, and Haig H. Kazazian, Jr.**

Amniocentesis and Fetoscopy,
Ernest L. Hopkins, JoAnne Carey, and Renee Moyer

Management of Pain in Children With Sickle Cell Disease, **Roland B. Scott**

Pneumococcal Vaccine: Update and Evaluation, **Gary D. Overturf**

Treatment of Patients With Sickle Cell Anemia—Another View, **Samuel Charache and Martha A. Moyer**

Progress in the Management of Leg Ulcers in Sickle Cell Disease, **Macy G. Hall, Jr.**

The Membrane Lesion and Its Treatment in Sickle Cell Anemia, **George J. Brewer, Nanette Wetterstroem, Allison Mitchinson, and Lucia F. Brewer**

Chronic Transfusion Regimens in Sickle Cell Disease, **Paul F. Milner**

Cell Separators for Red Cell Exchange,
Harvey G. Klein

Autotransfusion: A Management Option for Alloimmunized Sickle Cell Patients,
Oswaldo Castro

Blood Substitutes, **Carl A. Reindorf**

Comprehensive Counseling for Prenatal Diagnosis of Hemoglobinopathies,
Verle E. Headings

Approaches to the Evaluation of the Genetic Counselor, **Robert F. Murray, Jr.**

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**Advances in the Pathophysiology, Diagnosis,
and Treatment of Sickle Cell Disease**

Roland B. Scott, Editor

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